



What is going on with
NAD 83 at the MMS?



GOMR MANAGERS



When locations are surveyed using GPS, GOMR will change reporting procedures to collect data in WGS84/NAD 83 and convert to NAD 27 ourselves using NADCON. The offshore cadastre, leasing map areas, and official protraction diagrams will remain in NAD 27.

GOMR - Notice to Lessees - July 8, 1999



- All Location Data NAD 27 or NAD 83
- Specific NAD Reference Required
- Conversions with NADCON Required

CURRENT REPORTING PRACTICES

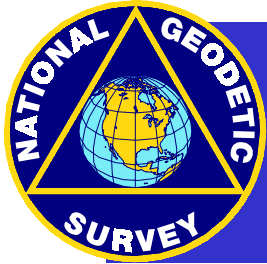


- Individual Reporting Varies
- NAD 83/27 Not Always Referenced
- NADCON Not Always used

GOMR CONCERNS



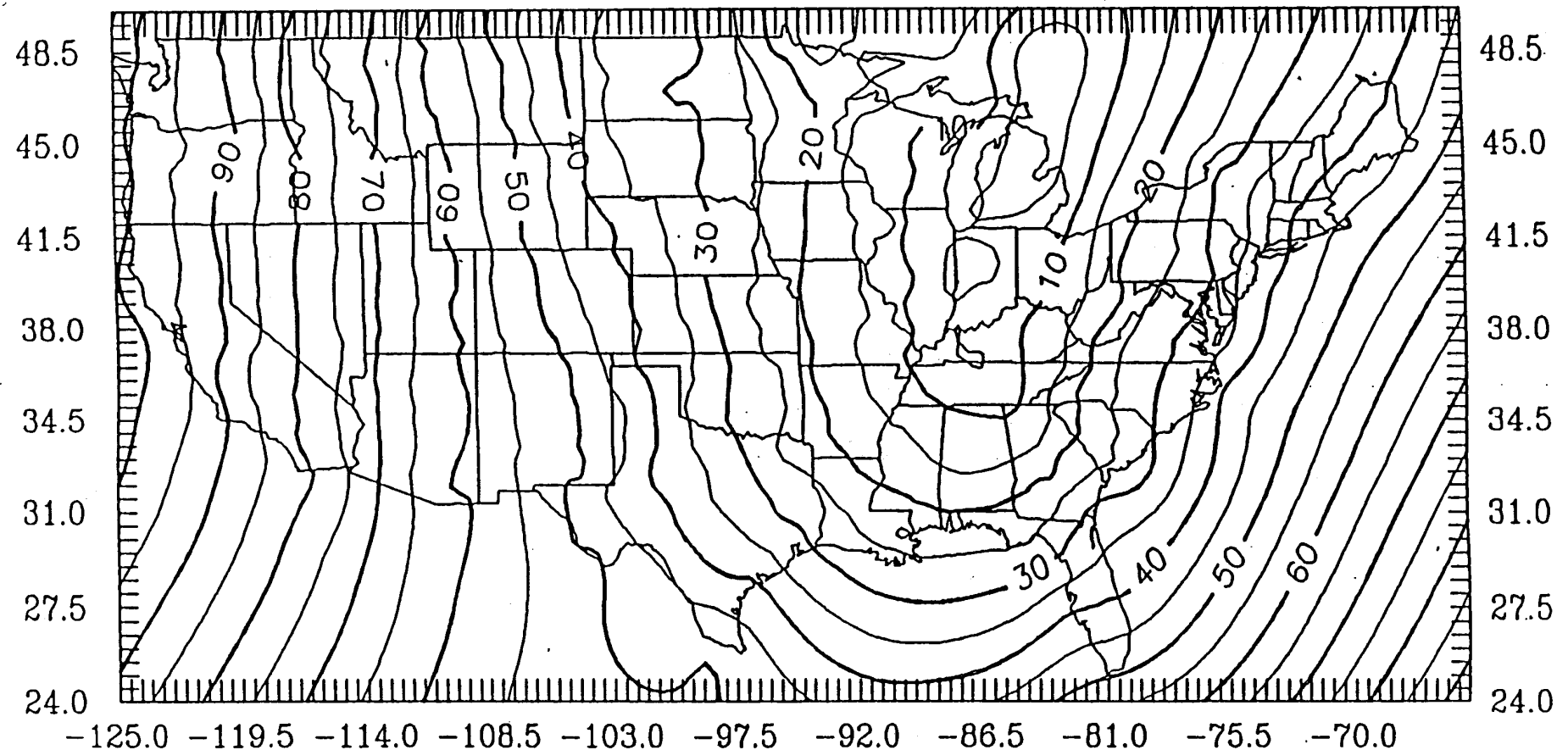
- Unknown Mix of NAD 27 or NAD 83
- Unknown Mix of NADCON and Others
- Long Term Positional Accuracy Needs

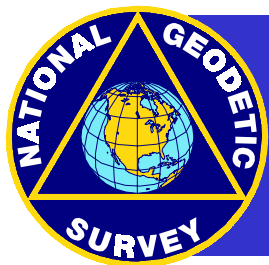


NAD 27 and NAD 83

MAGNITUDE OF DATUM SHIFT (METERS)

-125.0 -119.5 -114.0 -108.5 -103.0 -97.5 -92.0 -86.5 -81.0 -75.5 -70.0





IMPROVING POSITIONAL ACCURACY

	TIME	NETWORK	LOCAL
<u>NETWORK</u>	<u>SPAN</u>	<u>ACCURACY</u>	<u>ACCURACY</u>
NAD 27	1927-1986	10 Meters	First-Order (1 part in 0.1 million)
NAD 83	1986-1990	1 Meter	First-Order(1 part in 0.1 million)
HARN	1987-1997	0.1 Meter	B-Order(1 part in 1 million) A-Order (1 part in 10 million)
CORS	1994 -	<div> <div>← 0.02 Meter - Horizontal →</div> <div>← 0.04 Meter - Ellipsoid Height →</div> </div>	



QUESTIONS?

